

NFKB1 monoclonal antibody

Catalog: MB21483

Host: Mouse

Reactivity: Human

BackGround:

This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene.

Product:

Ascitic fluid containing 0.03% sodium azide.

Molecular Weight:

50kDa/105kDa

Swiss-Prot:

P19838

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

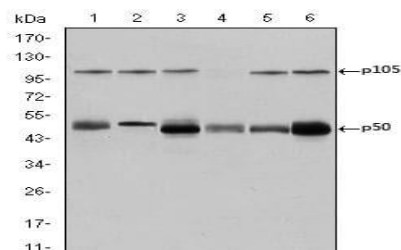
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

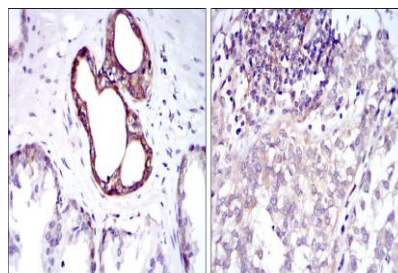
Isotype:

Mouse IgG2a

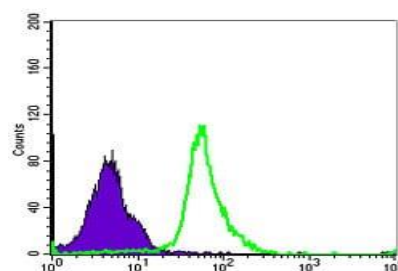
DATA:



Western blot analysis using NFKB1 mouse mAb against K562 (1), Jurkat (2), A431 (3), HeLa (4), THP-1 (5) and MCF-7 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human prostate tissues (left) and bladder cancer tissues (right) using NFKB1 mouse mAb with DAB staining.



Flow cytometric analysis of MCF-7 cells using NFKB1 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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